

CLAIM SET AS AMENDED

Sub 1
1-6. (Canceled).

7. (Previously Presented) The piezoelectric speaker according to claim 17, wherein said frame is substantially rectangular.

8. (Original) The piezoelectric speaker according to claim 7, wherein said frame has a length dimension and width dimension, said length dimension being larger than said width dimension, and wherein said frame is curved along said length dimension.

9. (Previously Presented) The piezoelectric speaker according to claim 8, wherein a curvature of said frame has a radius of curvature in a range of 210 mm to 360 mm.

10. (Previously Presented) The piezoelectric speaker according to claim 17, wherein said fastener is a hook-and-loop fastener.

11. (Previously Presented) A helmet including the piezoelectric speaker defined in claim 17, said piezoelectric speaker being fixedly attached on an inner surface of a shell of said helmet.

12. (Canceled).

13. (Previously Presented) The piezoelectric speaker according to claim 18, wherein said fastener is a hook-and-loop fastener.

14. (Previously Presented) The piezoelectric speaker according to claim 21, one of said pair of joined frame pieces including a film-receiving recess for receiving said piezoelectric film therein.

15. (Previously Presented) The piezoelectric speaker according to claim 18, wherein said frame is substantially rectangular.

16. (Previously Presented) A helmet including the piezoelectric speaker defined in claim 18, said piezoelectric speaker being fixedly attached on an inner surface of a shell of said helmet.

17. (Currently Amended) A piezoelectric speaker, comprising:
a frame having an opening therein;
a piezoelectric film located on a back side of said frame and covering said opening, the piezoelectric film being exposed to a front side of the frame through said opening;

a laminating film attached to edges of said back side of said frame and covering an entire surface of said piezoelectric film for protecting a back surface and edges of said piezoelectric film; and

a fastener integrally formed on said laminating film for detachably fastening a back side of said piezoelectric speaker to an inner surface of a helmet.

18. (Currently Amended) A piezoelectric speaker, comprising:
a frame having an opening therein;

a piezoelectric film located on a back side of said frame and covering said opening;
a laminating film attached to said back side of said frame and covering said piezoelectric film, outer edges of the laminating film extending beyond outer edges of the piezoelectric film in order to protect the piezoelectric film; and
a fastener secured to said laminating film at a position overlapping edges of the piezoelectric film but not overlapping the opening for detachably fastening said piezoelectric speaker to an inside of a helmet.

19. (Currently Amended) A speaker system for attachment to an inner surface of a helmet, said speaker system comprising a piezoelectric film speaker functioning as a main surface, oscillating in response to an input signal and having a peripheral edge thereof supported by a pair of frame pieces which clamp together to hold the piezoelectric speaker, the frame pieces each having a center opening, the center opening openings extending through the frame pieces and exposing the piezoelectric film to a person's ear, wherein an electrode wiring connects to the piezoelectric film speaker and passes through a runoff portion formed in an edge of the frame.

20. (Previously Presented) The speaker system of claim 19, wherein the frame supports the piezoelectric film speaker in a curved state.

21. (Currently Amended) The speaker system of claim 19, wherein ~~the frame is constituted by a pair of joined frame pieces, and~~ the piezoelectric film speaker has a peripheral edge held by the pair of frame pieces.

22. (Previously Presented) A helmet including the speaker system defined in claim 19, said speaker system being fixedly attached on an inner surface of a shell of said helmet.

23. (Previously Presented) The helmet of claim 22, wherein the speaker system is fixedly attached on the inner surface of the helmet shell using a detachable fastener.

24. (New) The piezoelectric speaker according to claim 17, wherein the fasteners are formed as hook-and-loop fastener strips on outer sides thereof and are stuck on opposite sides thereof on portions of the laminated film not overlapping the opening of the frame.

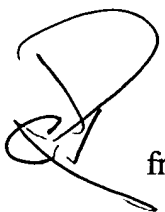
25. (New) The piezoelectric speaker according to claim 18, wherein the fasteners are formed as hook-and-loop fastener strips on outer sides thereof and are stuck on opposite sides thereof on portions of the laminated film not overlapping the opening of the frame.

26. (New) The piezoelectric speaker according to claim 17, wherein an outer edge of the laminated film extends beyond the fasteners to an outer edge of the frame.

27. (New) The piezoelectric speaker according to claim 18, wherein an outer edge of the laminated film extends beyond the fasteners to an outer edge of the frame.

Application No. 09/657,803
Amendment dated November 24, 2003
Response to Office Action dated August 25, 2003

Attorney Docket No. 0505-0673P
Art Unit 2643
Page 6 of 13



28. (New) The helmet including the speaker system defined in claim 19, wherein the frame pieces are detachable from one another in order to replace the piezoelectric film speaker.

